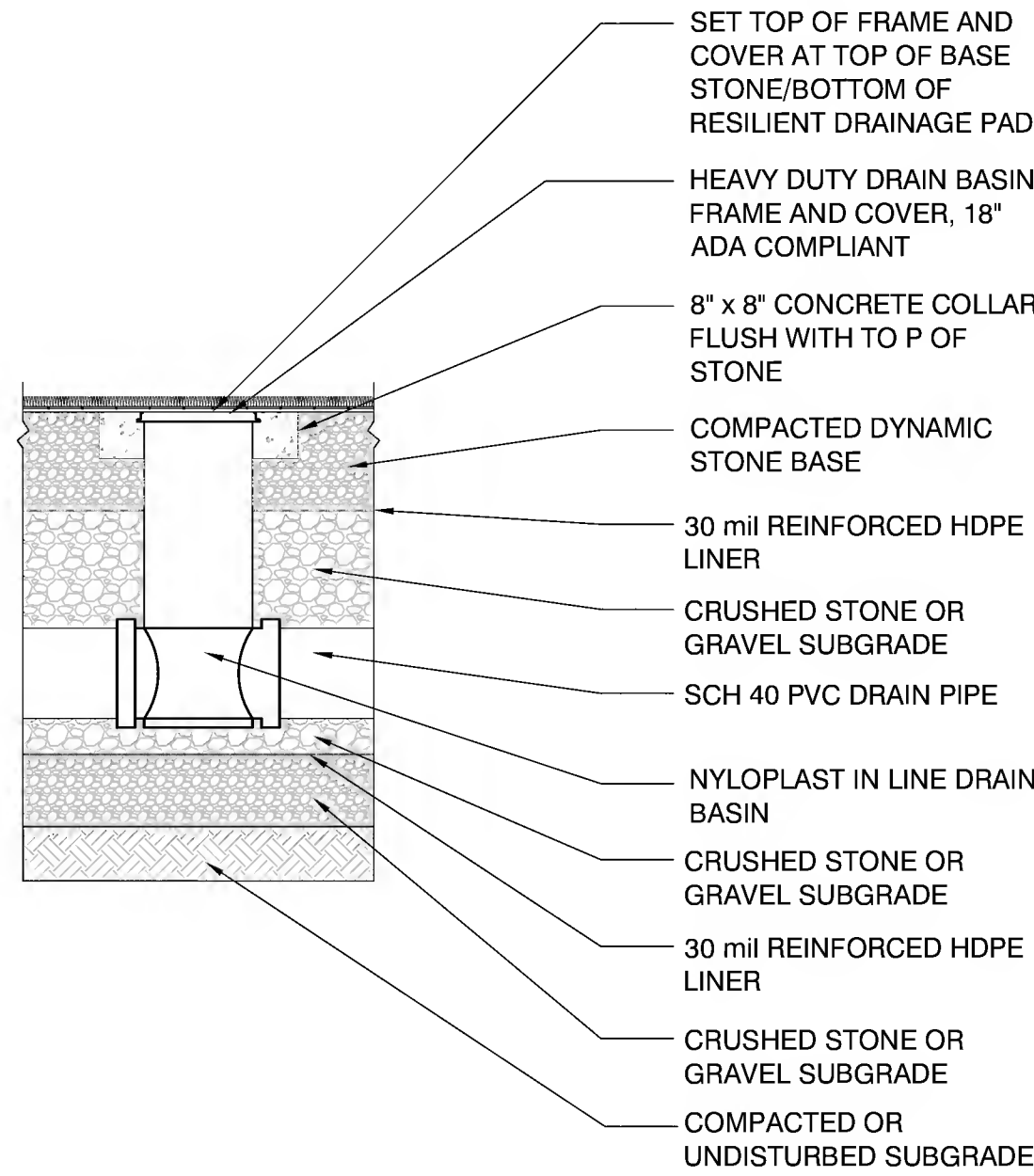




NOTES:

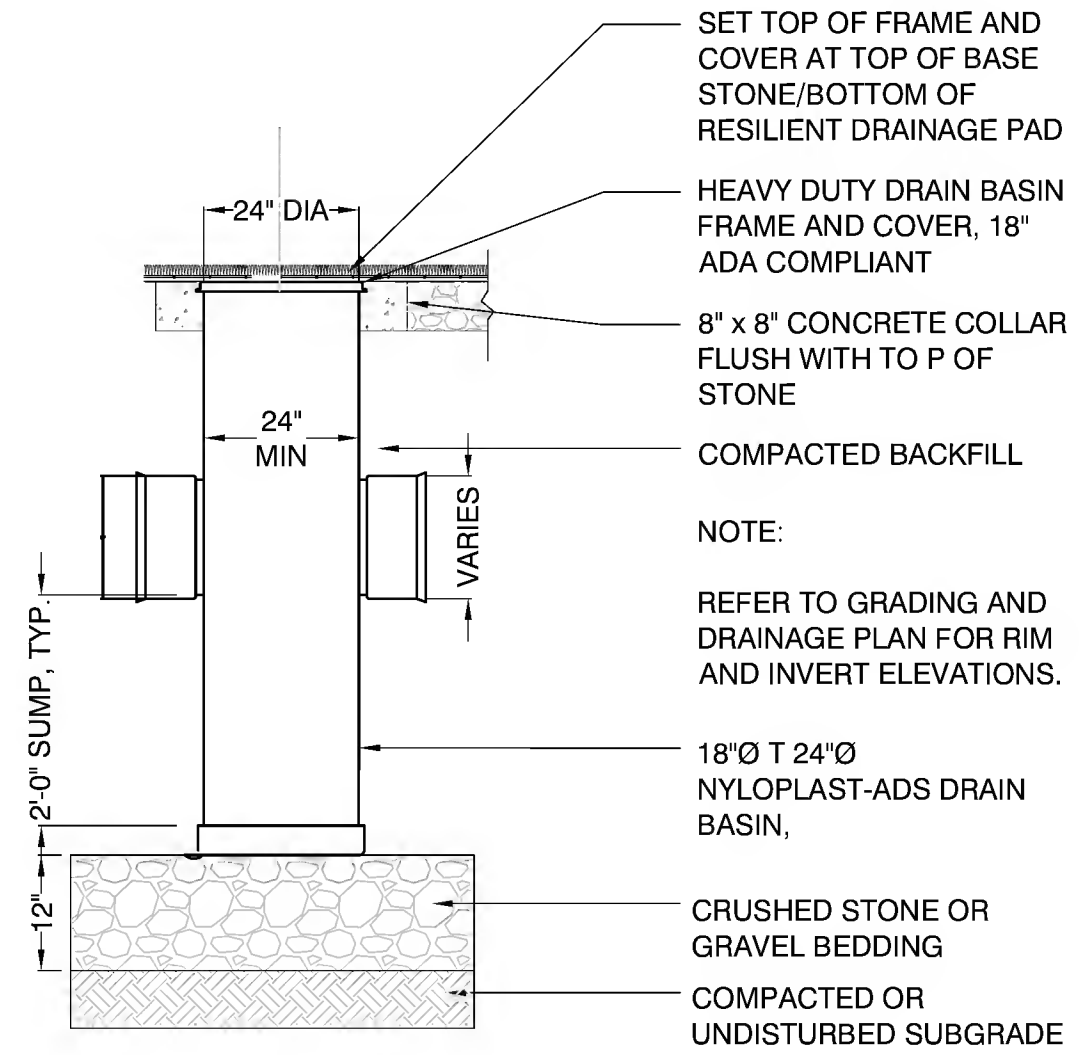
1. IN LINE DRAIN BASINS SHALL BE INSTALLED WITHIN THE SUBSURFACE DETENTION BASIN REACH AND SEALED AT THE TOP PENETRATION USING STAINLESS STEEL LINER CLAMPS.
2. INLET AND OUTLET PIPES ORIGINATE AT THE PERMAVOID BASINS



14 IN LINE DRAIN BASIN (ILD)- AT SYNTHETIC TURF TYP  
N.T.S.

NOTES:

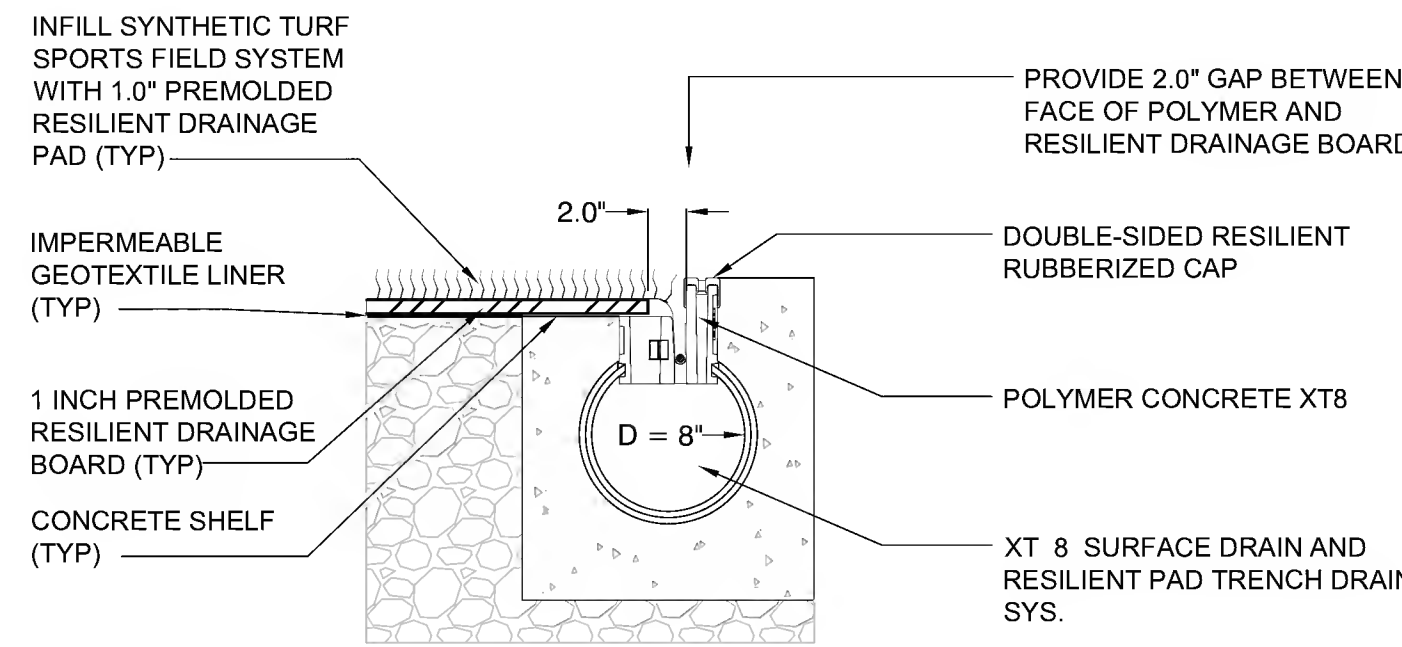
1. SYNTHETIC TURF DRAIN INLETS (SDTI) SHALL BE SIZED BY THE MANUFACTURER BASED ON THE NUMBER AND ORIENTATION OF PIPING. BASINS SHALL BE 2 TIMES THE LARGEST PIPE DIAMETER ENTERING EACH BASIN.
2. WHERE PLACEMENT OF PIPING CREATES ALIGNMENT AND SEPARATION CONCERNS SMALLER DIAMETER PIPING CAN ENTER EACH BASIN USING A 45 DEGREE ELBOW.



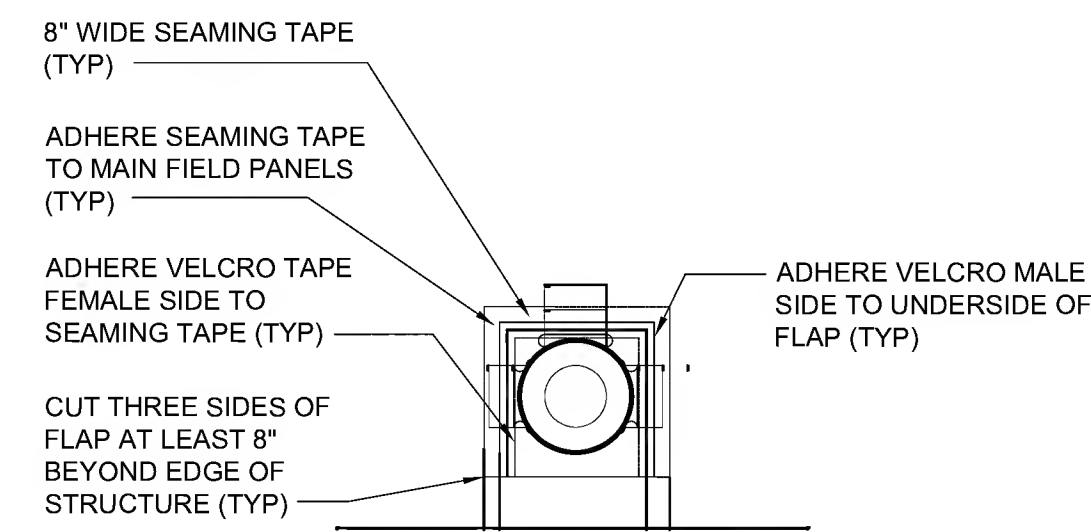
13 SYNTHETIC TURF DRAIN INLET BASIN (SDTI)- AT SYN. TURF TYP  
N.T.S.

NOTES:

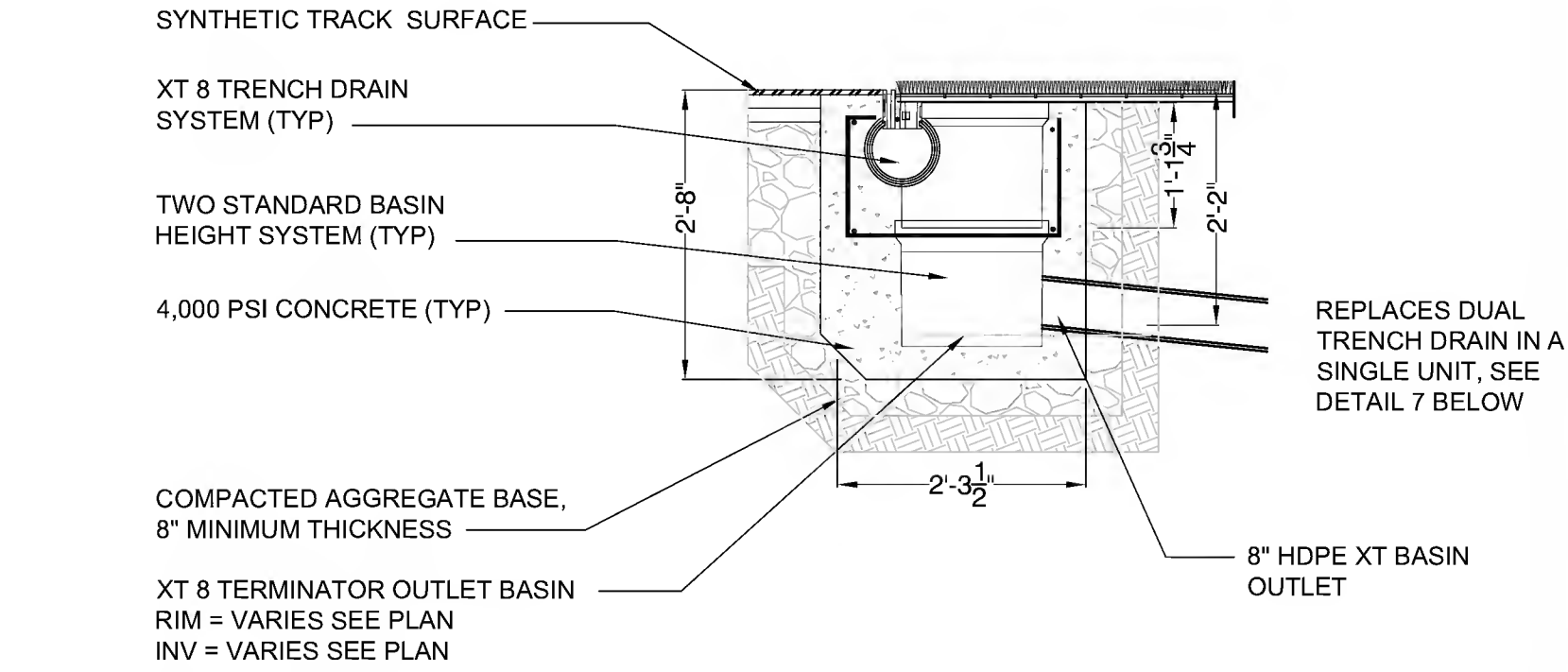
1. REPLACES DUAL TRENCH DRAIN IN A SINGLE UNIT, SEE DETAIL 8 BELOW.
2. SEE CHAIN LINK FENCE POST - SYNTHETIC TURF ANCHOR SECTION FOR INSTALLATION CONDITION AND REINFORCING.



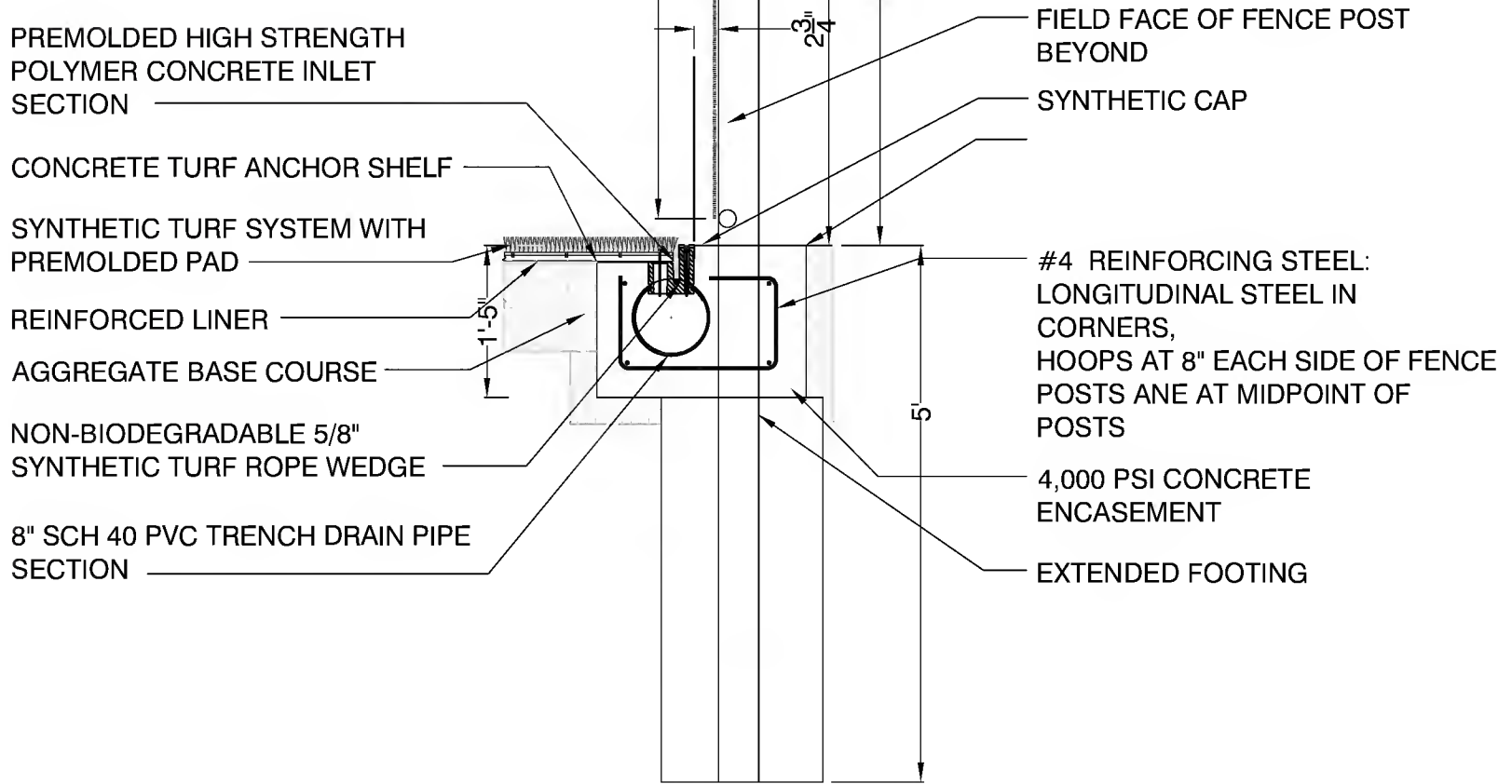
12 INTEGRAL SURFACE/RESILIENT PAD TRENCH DRAIN (TYP)  
N.T.S.



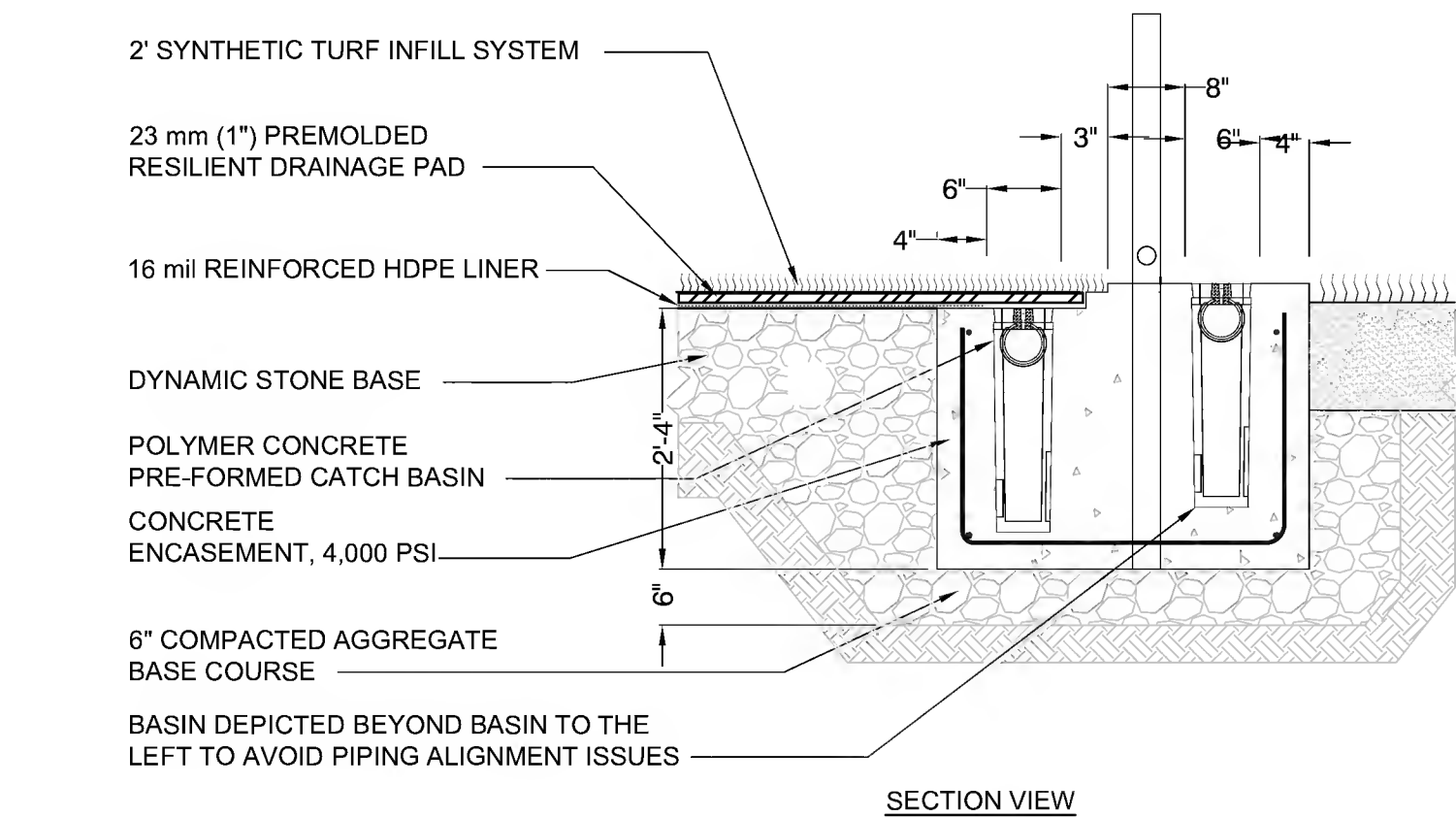
14 TURF COVER AT FIELD BASINS AND MANHOLES, TYP.  
N.T.S.



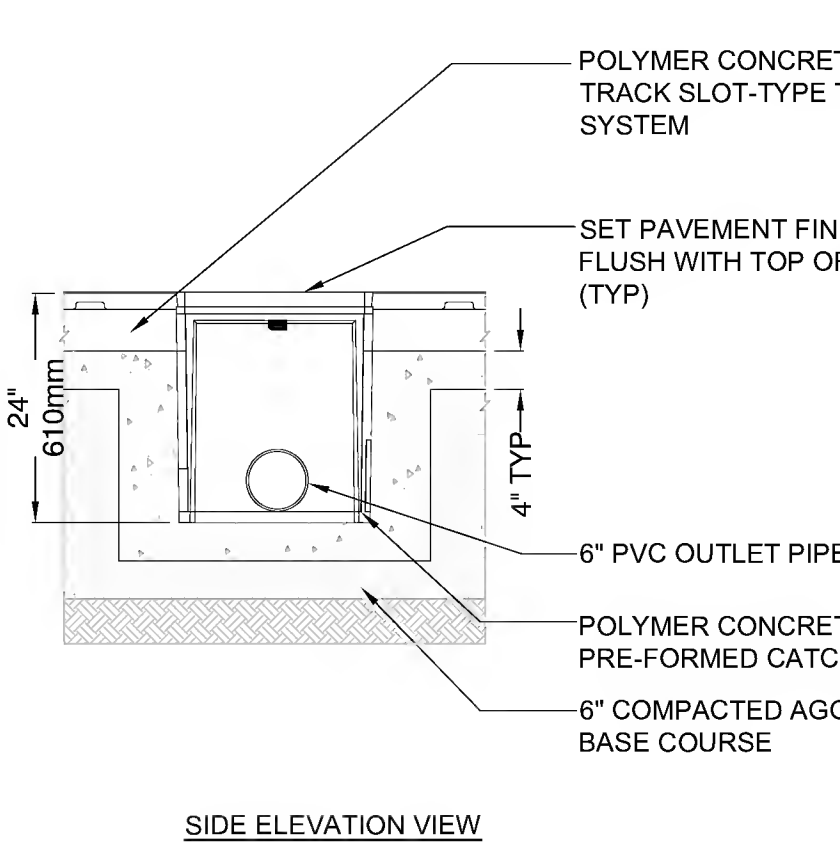
11 TRENCH DRAIN BASIN AT INTEGRAL SURFACE/RESILIENT PAD TRENCH DRAIN  
N.T.S.



10 CHAIN LINK FENCE POST 12'-3" HEIGHT - SYNTHETIC TURF ANCHOR SECTION  
N.T.S.



9 DUAL TRENCH DRAIN BASIN AT SYNTHETIC TURF - SECTION  
N.T.S.



8 DUAL TRENCH DRAIN AT SYNTHETIC TURF SPORTS FIELD, TYP.  
N.T.S.

NOTES:

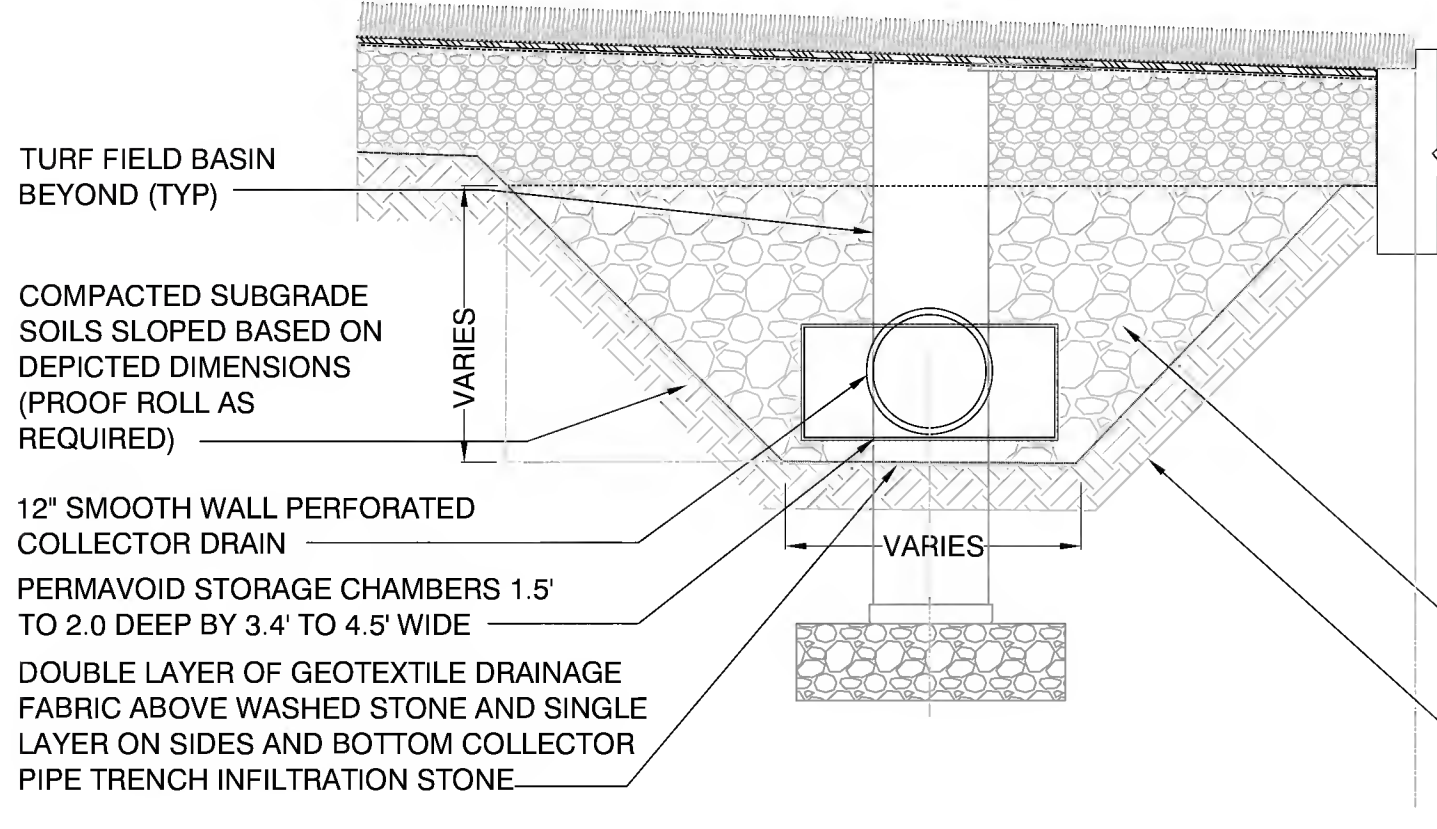
1. CROSS-SECTION ASSUMES THAT THE DYNAMIC STONE TOTAL THICKNESS IS 10". REINFORCED HDPE LINER AND PREMOLDED RESILIENT DRAINAGE PAD IS 1.0", AND THE SETTLED INFILL DEPTH IS 1.50" INCH FOR A TOTAL OF 12.50" IN SECTION THICKNESS.
2. SEE GRADING AND DRAINAGE PLAN FOR TOP OF SURFACE ELEVATIONS.
3. SEE SUBSURFACE DETENTION BASIN DETAILS FOR OVER ALL DIMENSIONS.
4. EACH PERMAVOID STORAGE CHAMBERS UNIT MEASURES 17'9" LONG x 19'9" WIDE x 5'9" HIGH AND ARE ASSEMBLED IN THE FOLLOWING CONFIGURATIONS:

TYPE A: 3 UNIT WIDE BY 2 UNIT HIGH  
TYPE B: 4 UNIT WIDE BY 3 UNIT HIGH  
TYPE C: 4 UNIT WIDE BY 4 UNIT HIGH

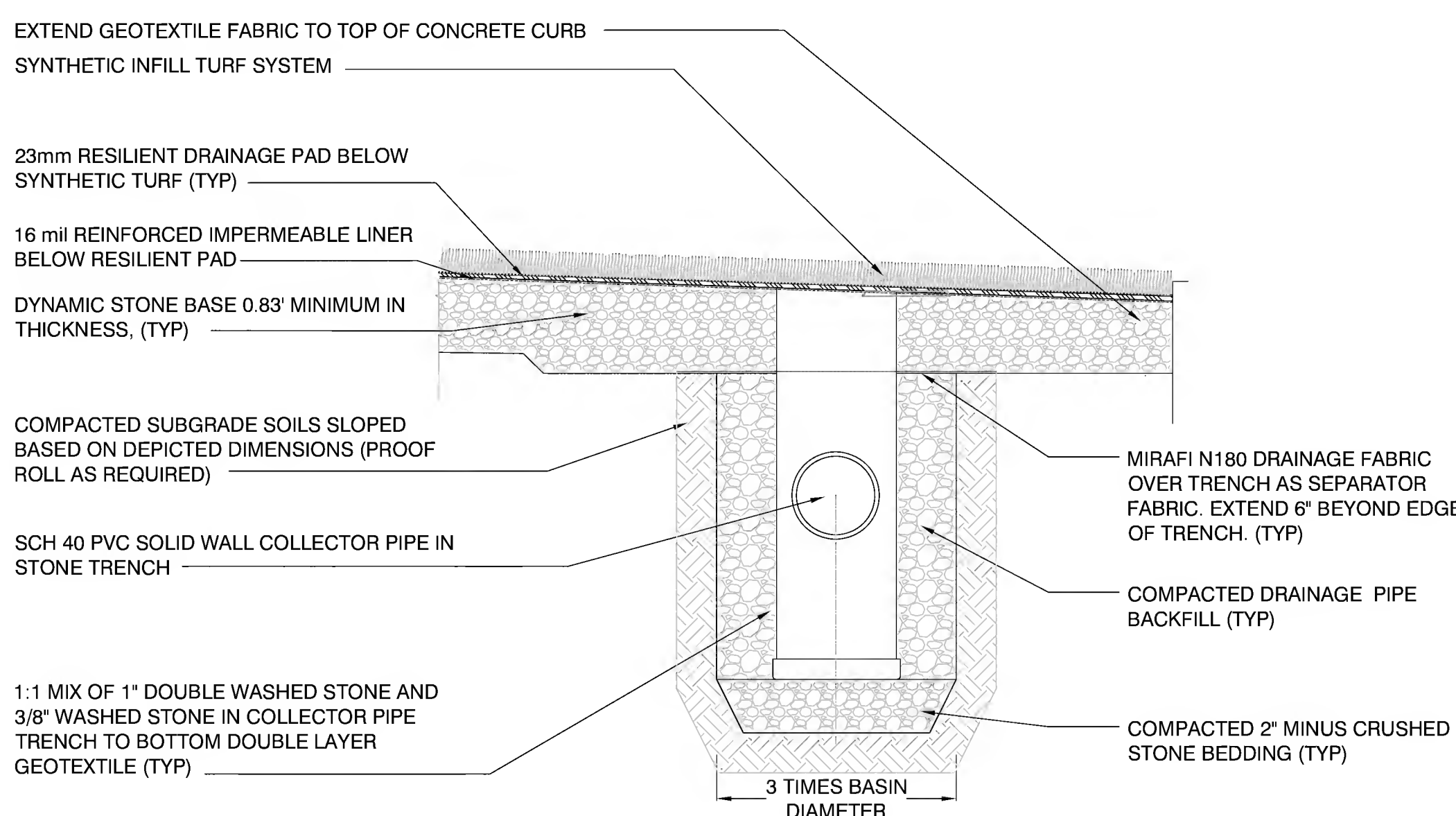
THEY SHALL BE WRAPPED WITH MIRAFI N180 DRAINAGE FABRIC, BEDDED AND BACKFILLED WITH STONE AND SURROUNDED WITH A 30mil IMPERMEABLE LINER/MEMBRANE.

1:1 MIX OF 2" DOUBLE WASHED STONE AND 1" WASHED STONE IN SUBSURFACE DETENTION BASIN TRENCH (TYP)

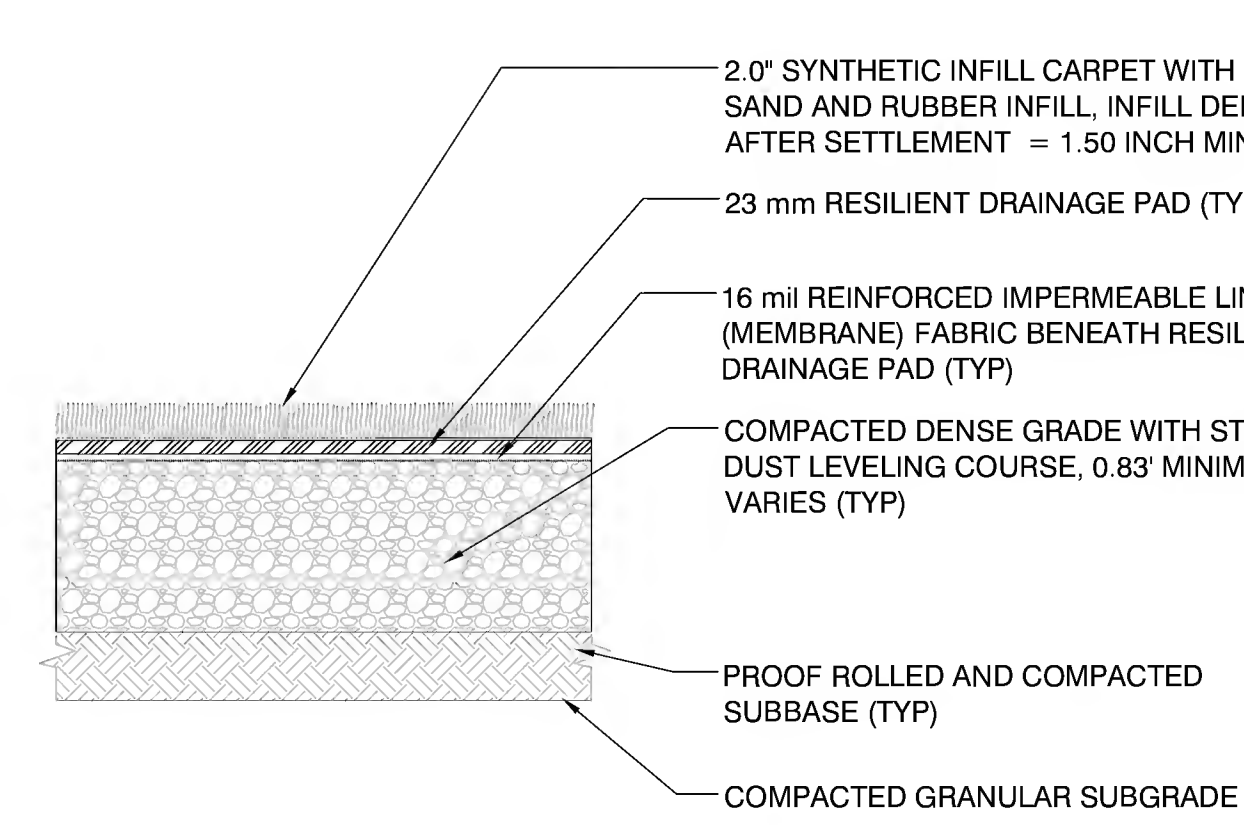
30 mil IMPERMEABLE LINER/MEMBRANE (TYP)



7 SYNTHETIC TURF FIELD LEACHING TRENCH SECTION  
N.T.S.



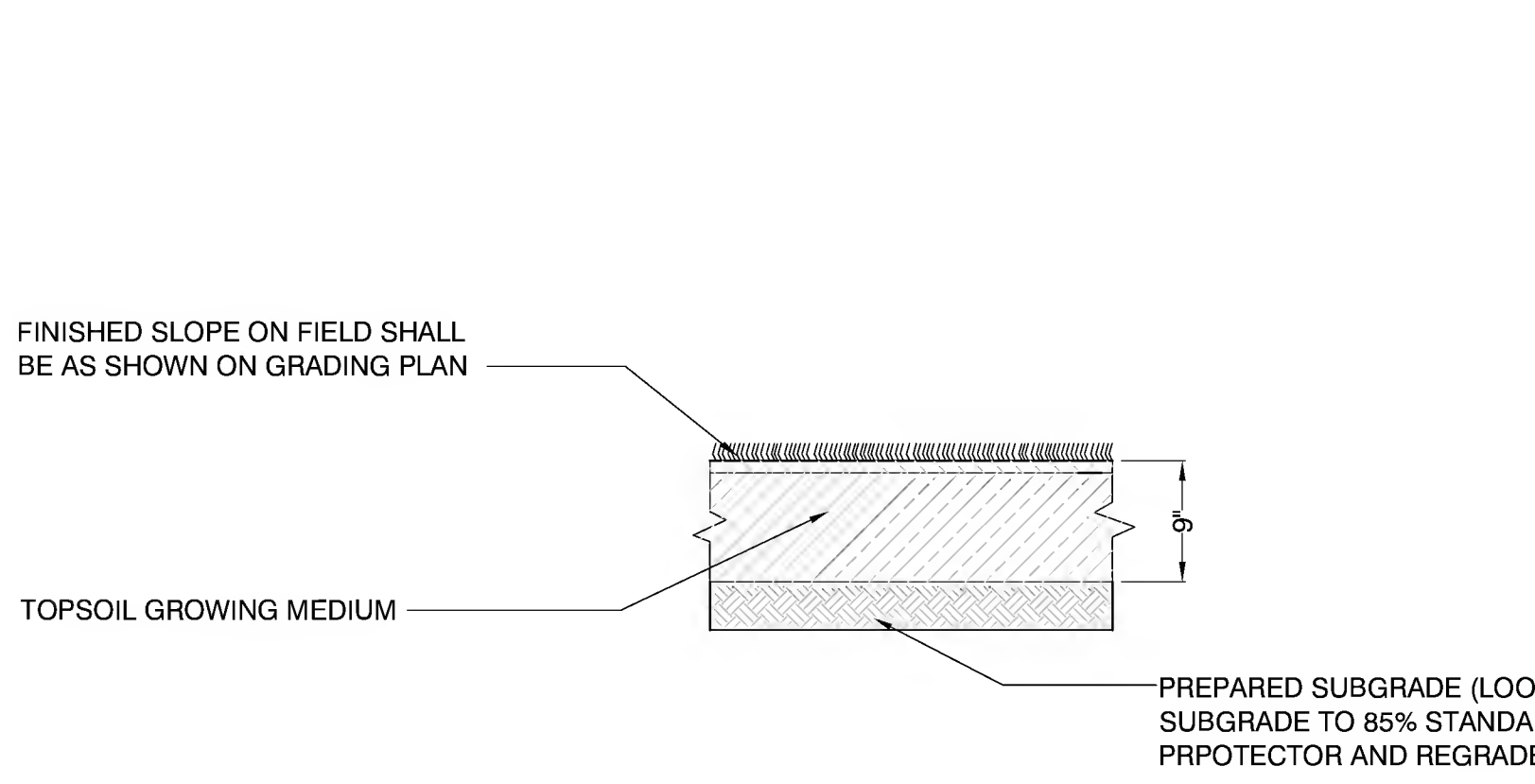
6 COLLECTOR PIPE TRENCH SECTION AT POLYMER DRAIN BASIN(TYP)  
N.T.S.



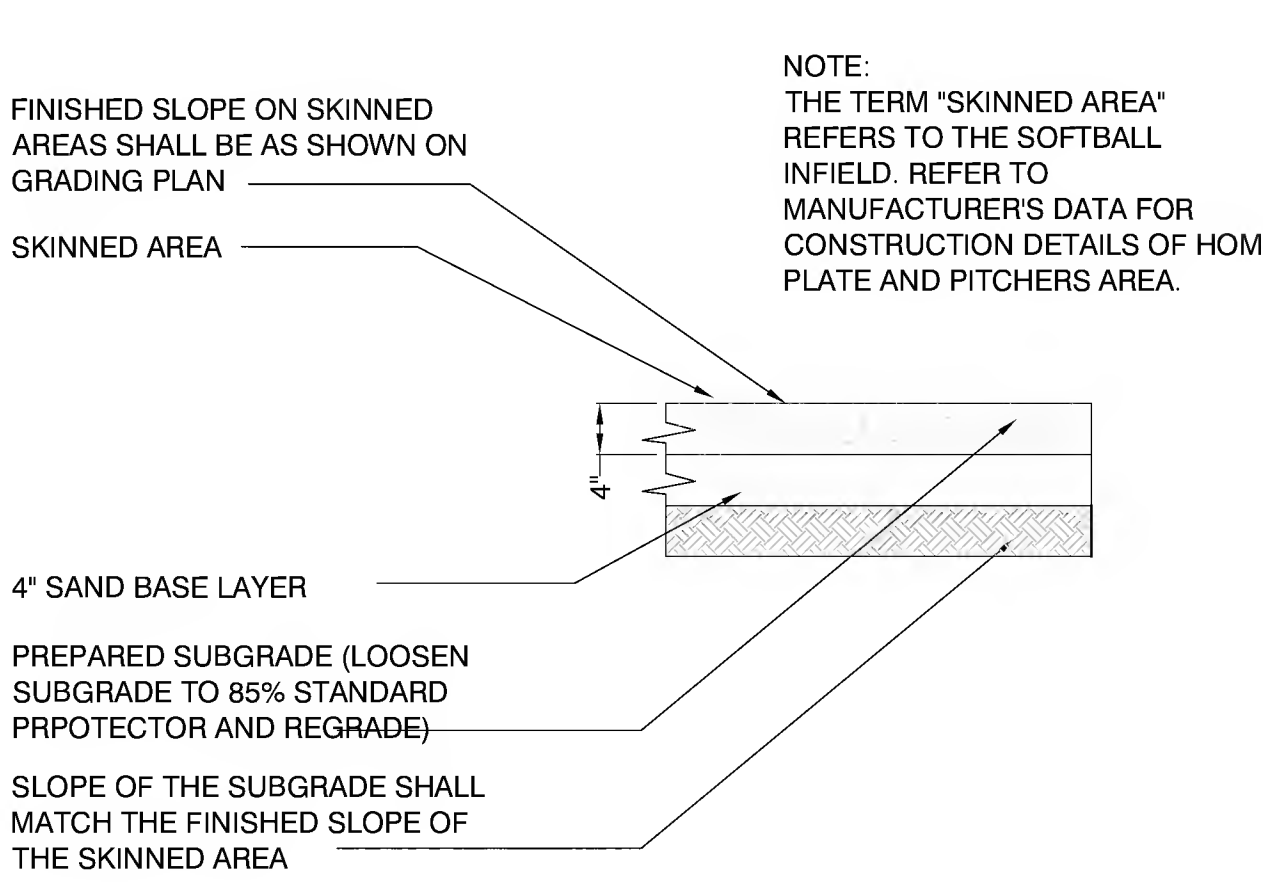
5 SYNTHETIC TURF FIELD SECTION  
N.T.S.

NOTES:

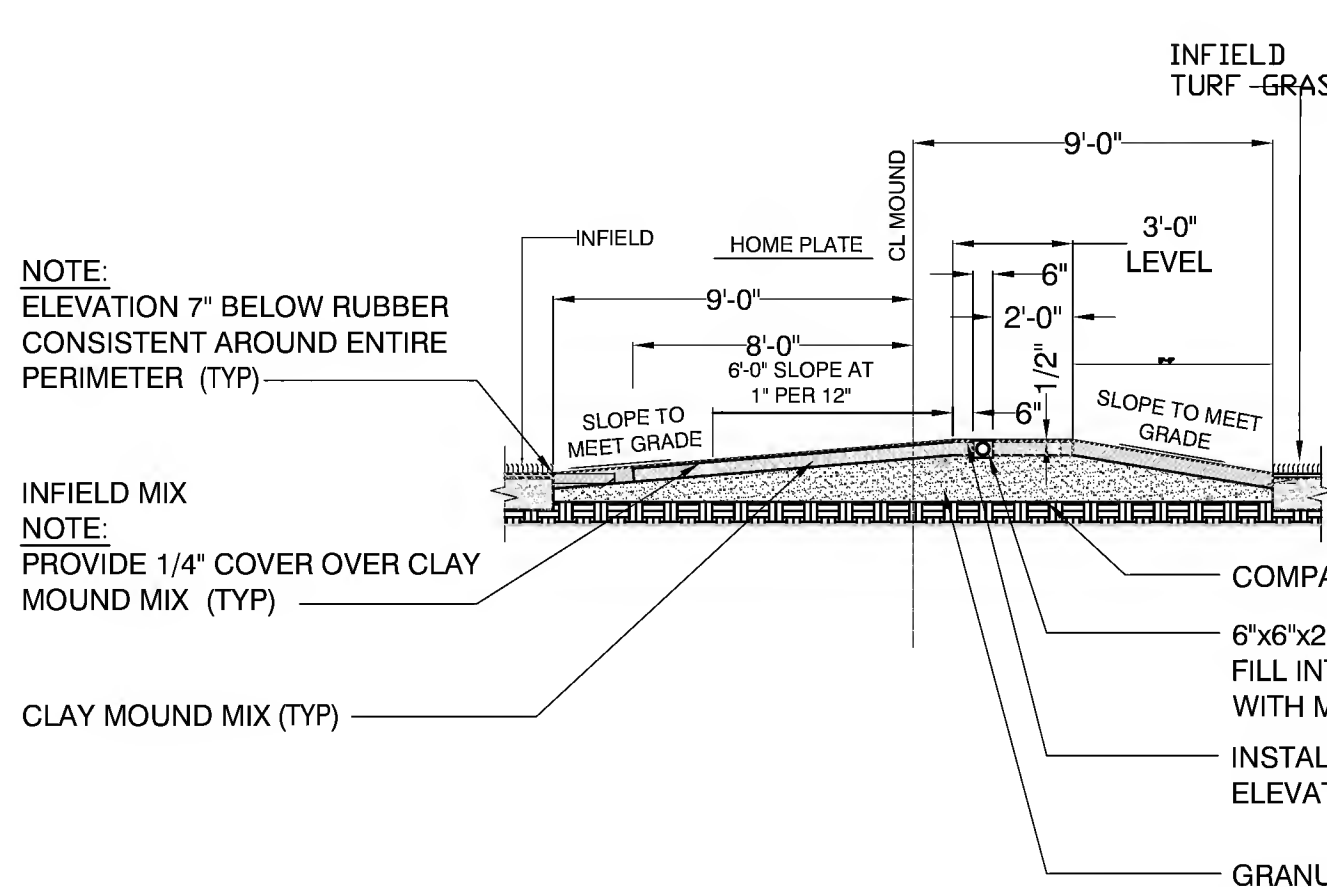
1. INSTALL RESILIENT DRAINAGE PAD IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS (TYP)
2. CONFIRM FINAL GRADE COMPLIANCE BASED ON FIELD ASBUILT AND STRING LINES AS REQUIRED IN TECHNICAL SPECIFICATIONS.
3. COMPACT DENSE GRADE AND TOPPING STONE BASE USING STATIC ROLLING PROCESS. THE USE OF VIBRATION MUST BE APPROVED BY THE ENGINEER. THICKNESS OF DYNAMIC STONE 0.83" MINIMUM (VARIES) TOTAL, CONSISTING OF 0.75" TO 0.77" OF BASE STONE AND 0.04" TO 0.06" OF TOPPING STONE. FOR A TOTAL OF 0.83" (TYP)
4. 16 mil GEOTEXTILE IMPERMEABLE LINER (MEMBRANE) TO BE INSTALLED BENEATH PAD FOR FULL EXTENT OF PAD. LINER TO EXTEND ONTO AND BE SEALED TO ANCHOR CURB SYSTEM.
5. DENSE GRADE STONE BASE ELEVATIONS SHALL MEET A TOLERANCE OF + OR - 0.02 FEET FROM DESIGN GRADES BASED ON A 20 FOOT GRID ASBUILT SURVEY.



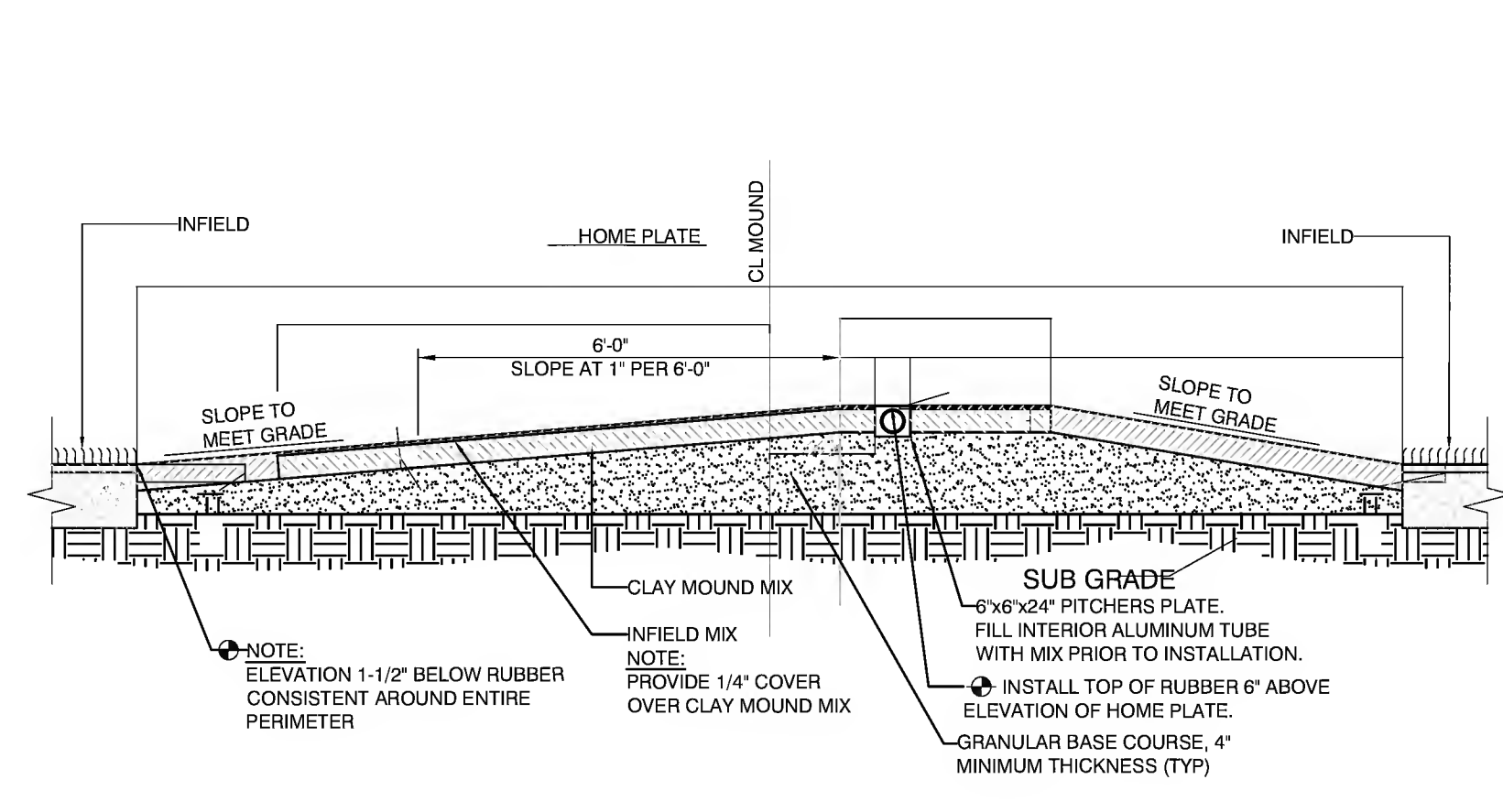
4 BLENDED SOIL/SAND BASED GROWING MEDIUM AT BULL PEN  
N.T.S.



3 SKINNED AREA SECTION AT BULL PEN  
N.T.S.



2 BASEBALL NATURAL TURF GRASS MOUND AT BULLPEN - SECTION  
NOT TO SCALE



1 SOFTBALL NATURAL TURF GRASS MOUND AT BULLPEN- SECTION  
NOT TO SCALE

KEYPLAN

REVISIONS NO. DATE REMARKS

H M  
F H

HMFH ARCHITECTS



JJA SPORTS, LLC  
133 Bishop Allen Drive  
Cambridge, MA 02139  
(617) 452-2200  
JJA Sports LLC  
19791 893-3347 JJA Sports LLC



CONSERVATION FILING SET  
05-07-2020

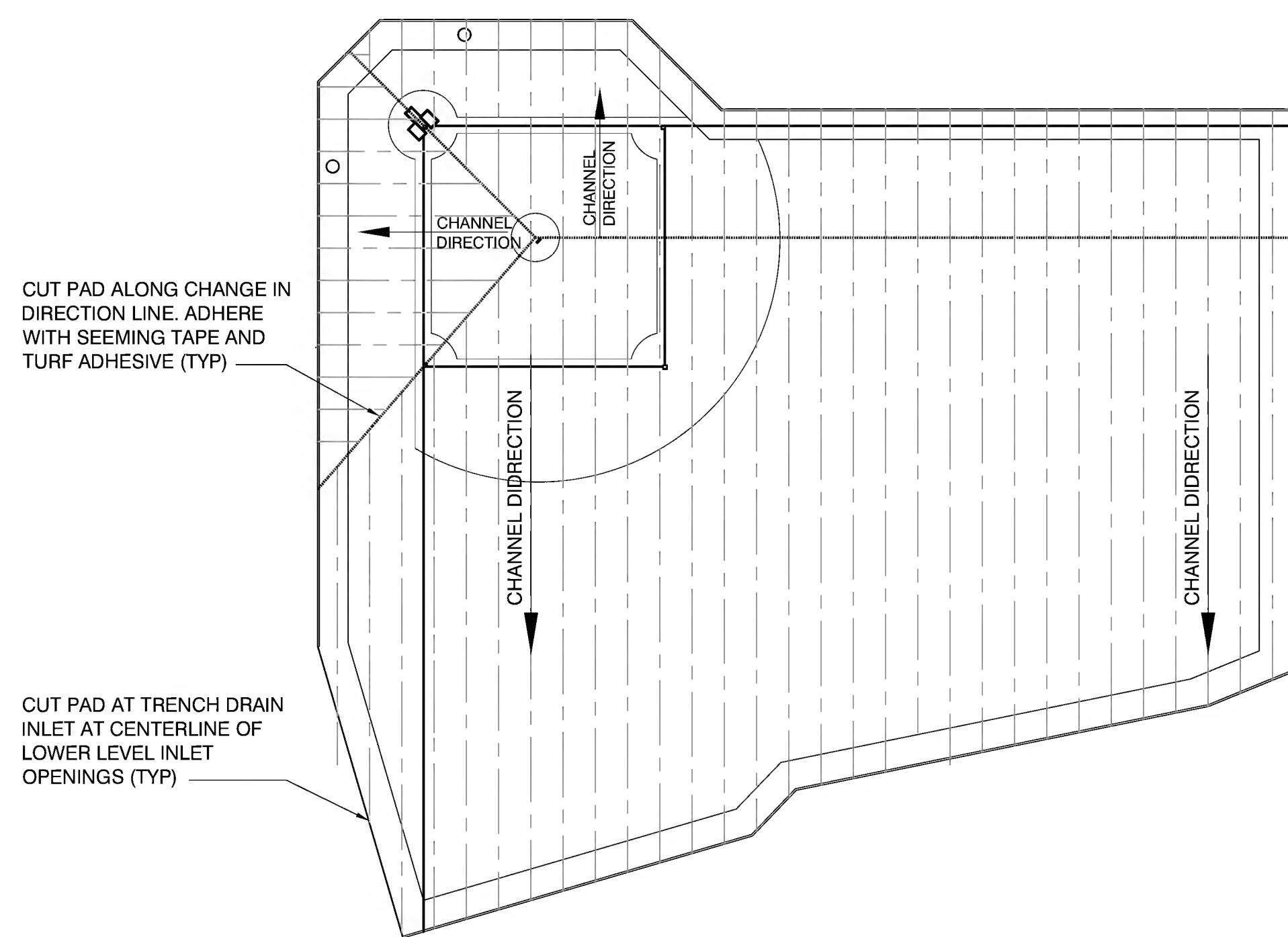
Arlington High School  
Massachusetts Avenue, Arlington, Massachusetts  
Outdoor Athletic Improvements  
Details  
SCALE: NTS  
DRAWN BY: J. AMATO CHECKED BY: J. AMATO

DRAWING NUMBER  
L8.7  
JOB NUMBER 408417

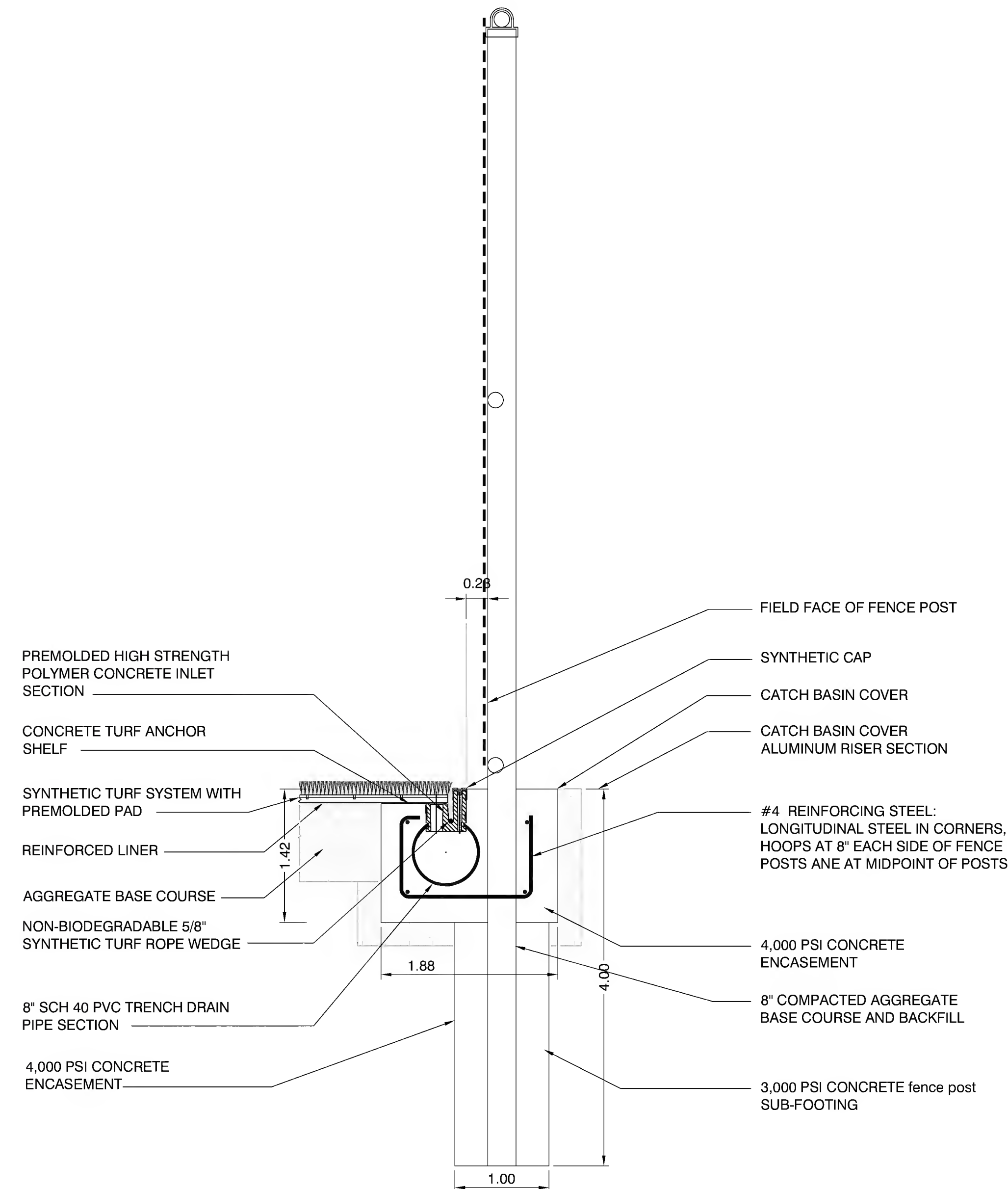


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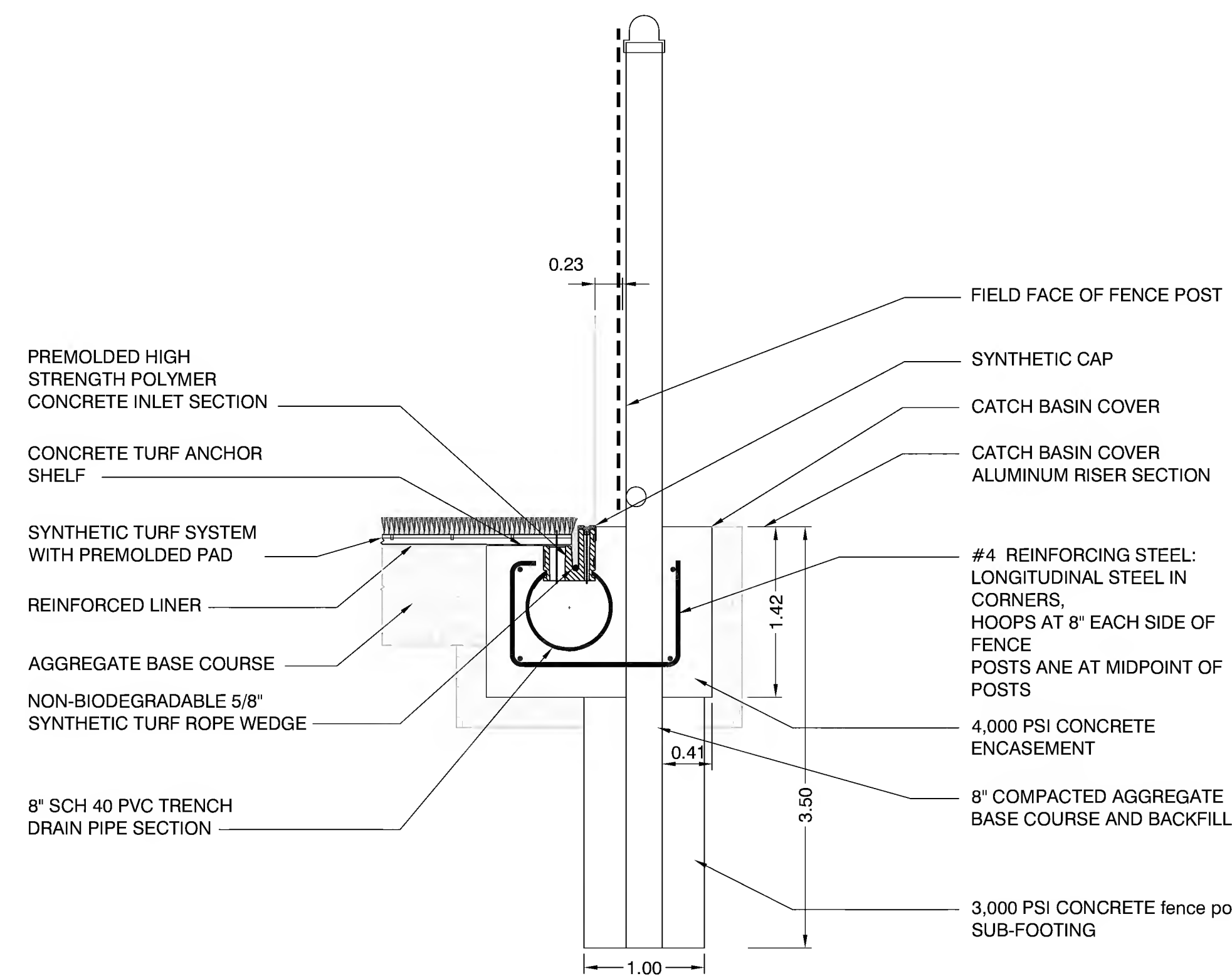




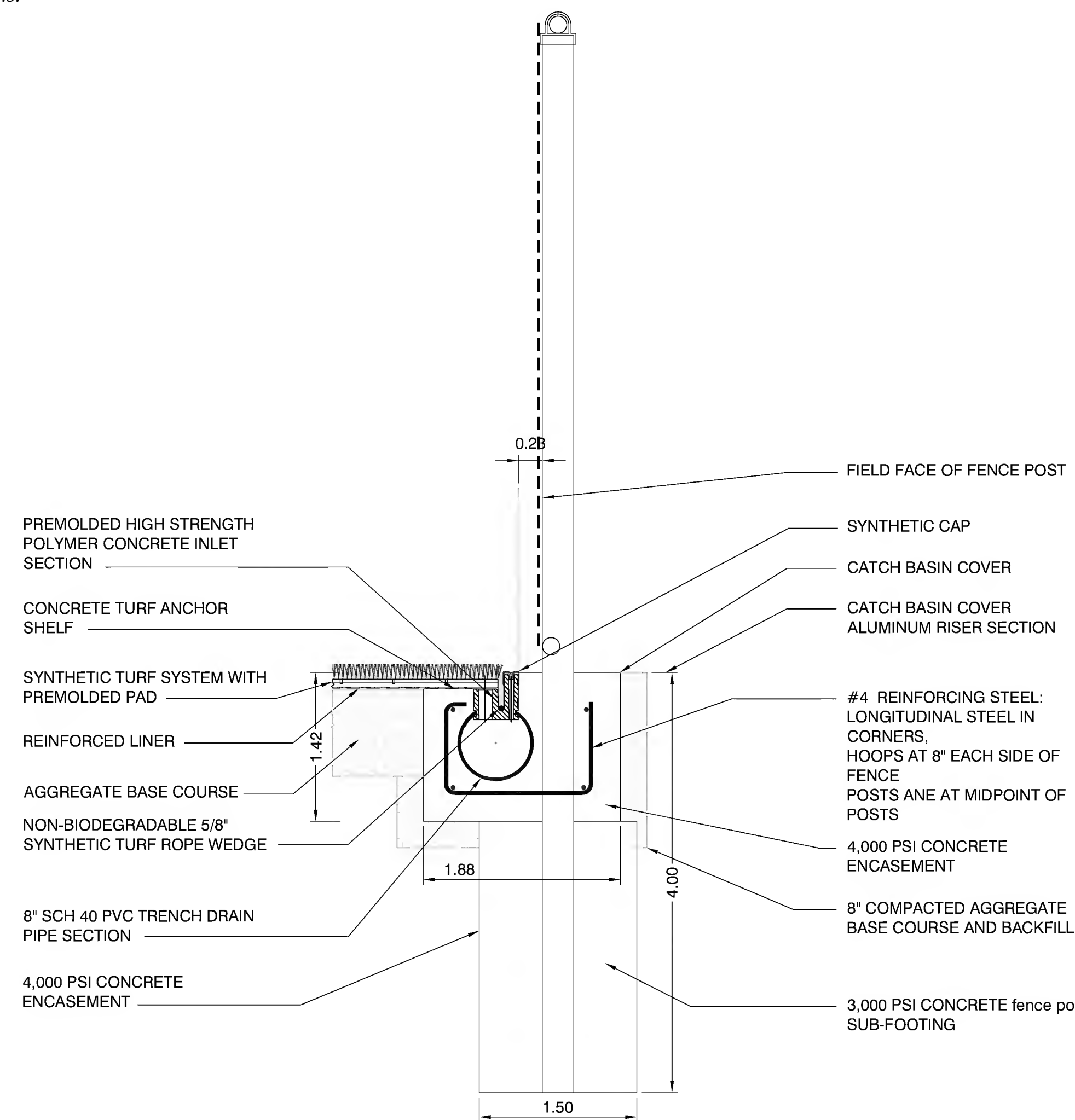
8 PREMOLDED DRAINAGE PAD CHANNEL ALIGNMENT PLAN  
N.T.S.



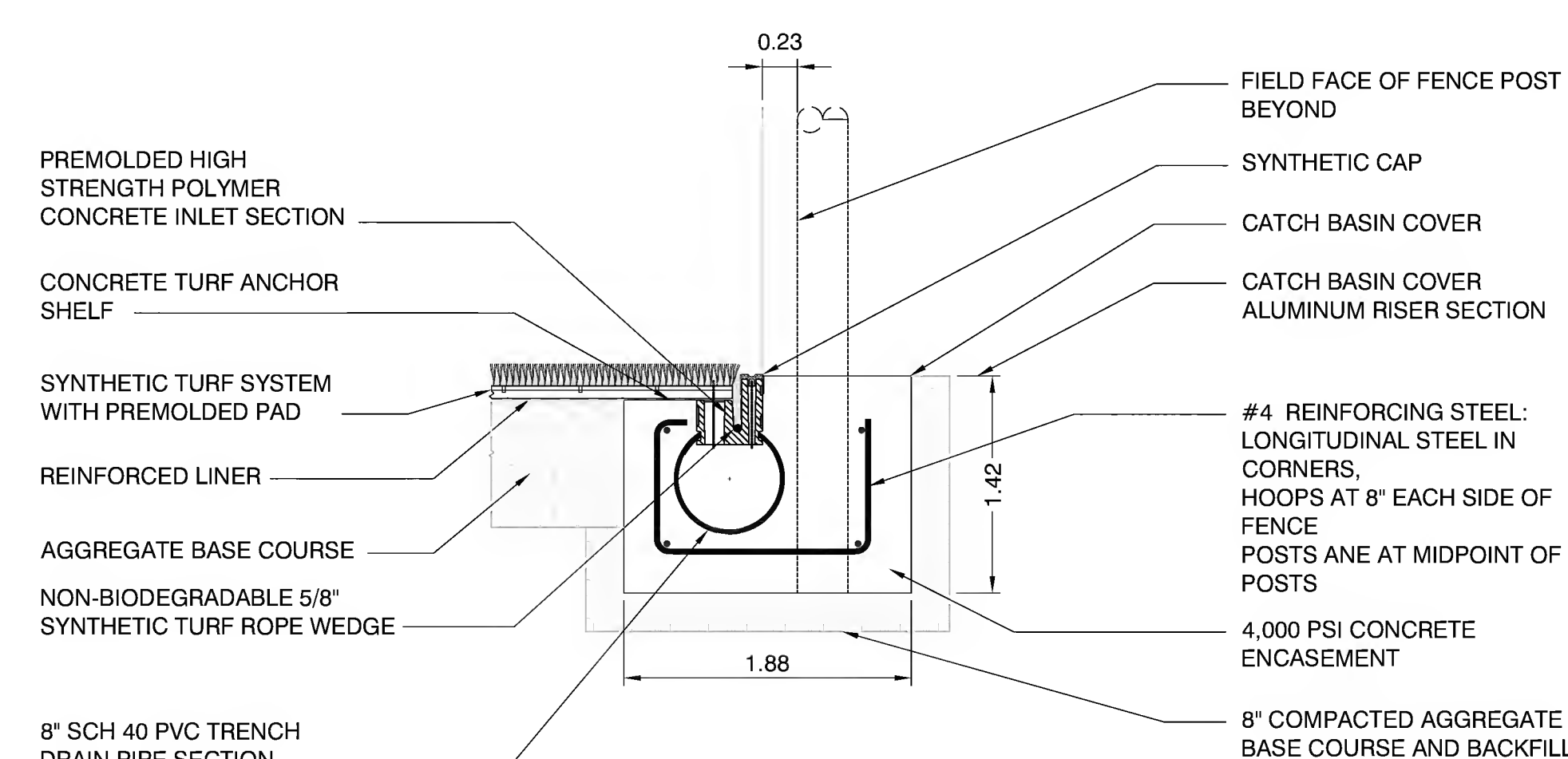
3 CHAIN LINK FENCE POST 99" HEIGHT -  
SYNTHETIC TURF ANCHOR SECTION  
N.T.S.



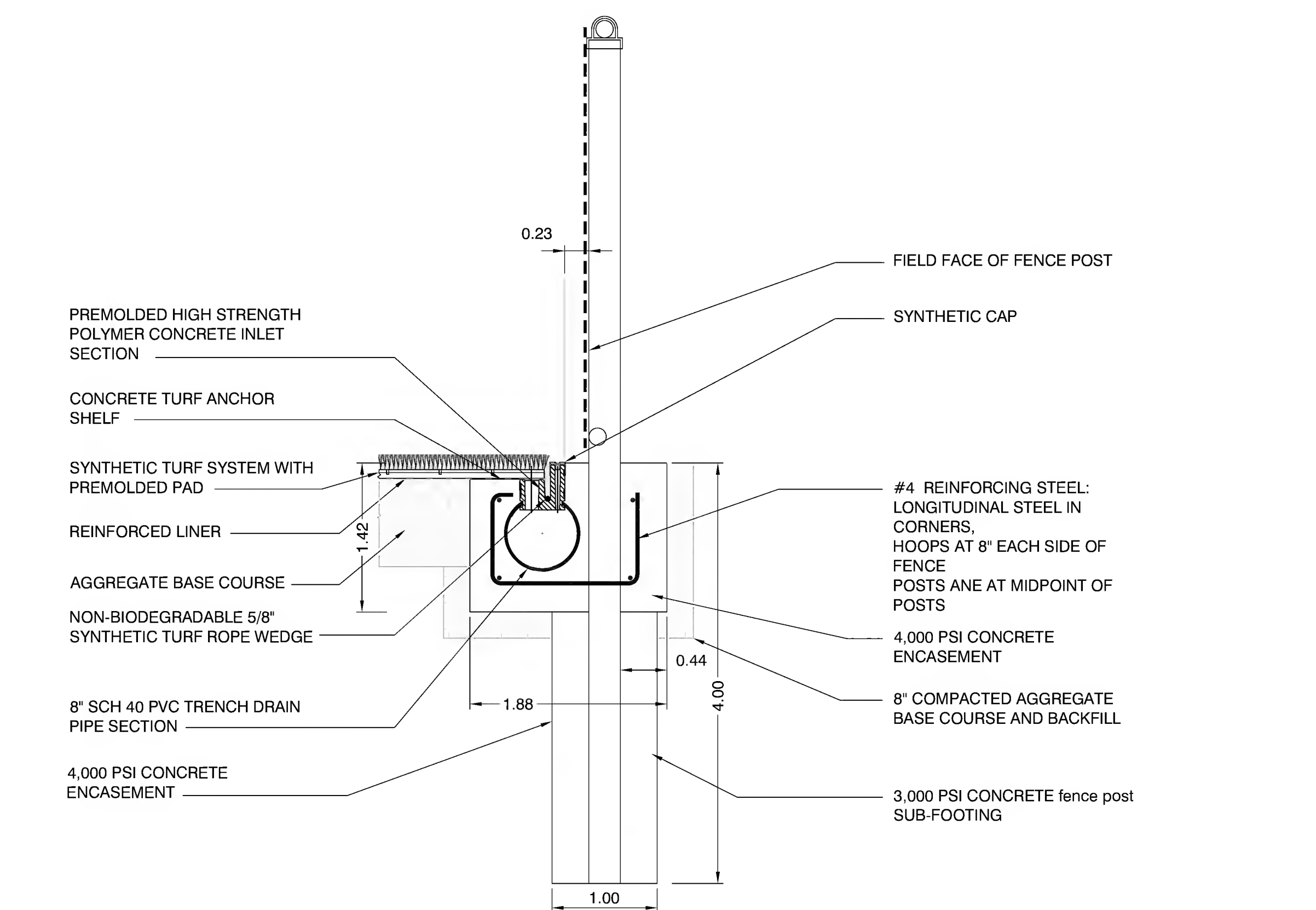
7 CHAIN LINK FENCE POST 51" HEIGHT -  
SYNTHETIC TURF ANCHOR SECTION  
N.T.S.



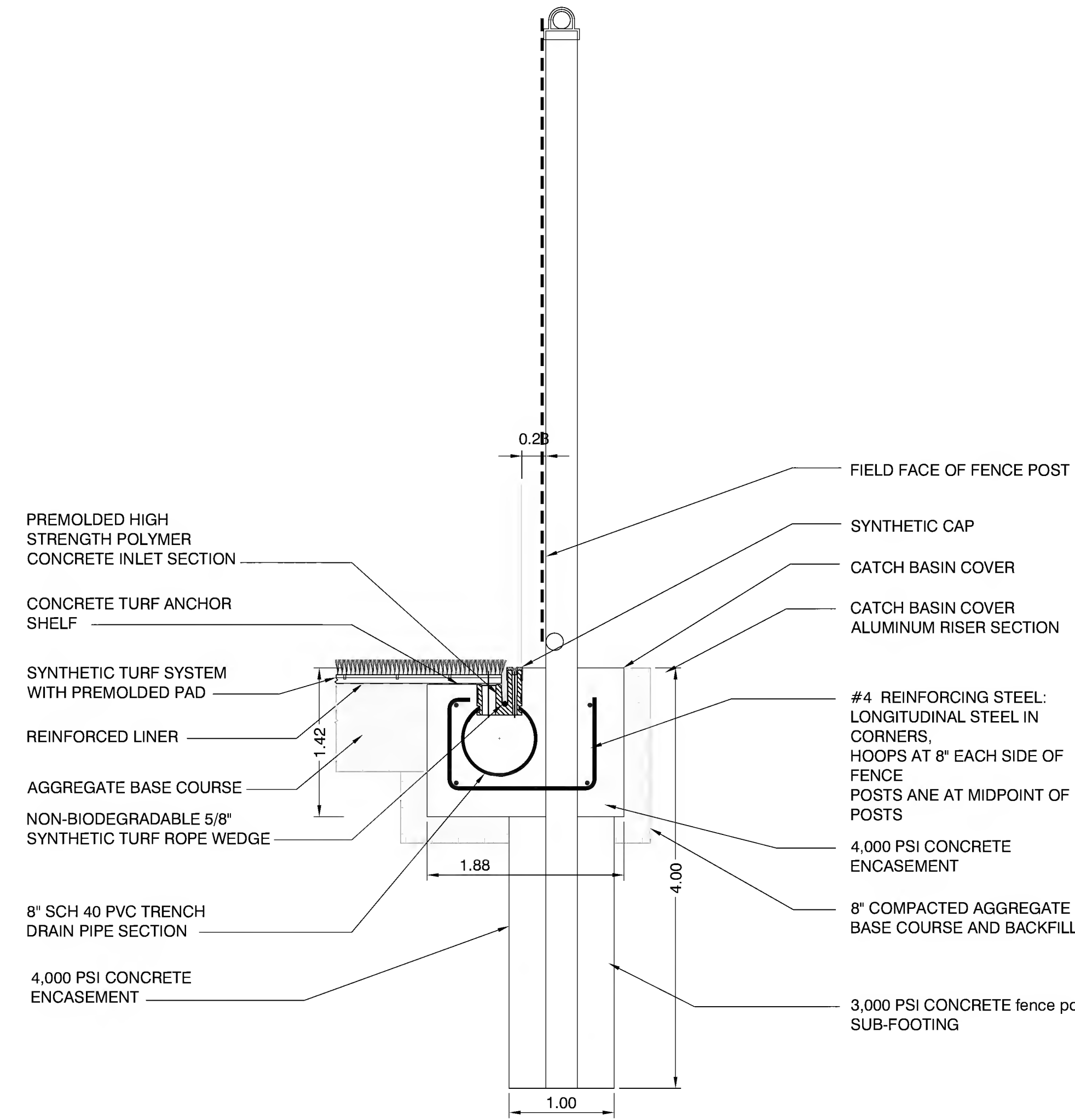
4 CHAIN LINK GATE POST 75" HEIGHT -  
SYNTHETIC TURF ANCHOR SECTION  
N.T.S.



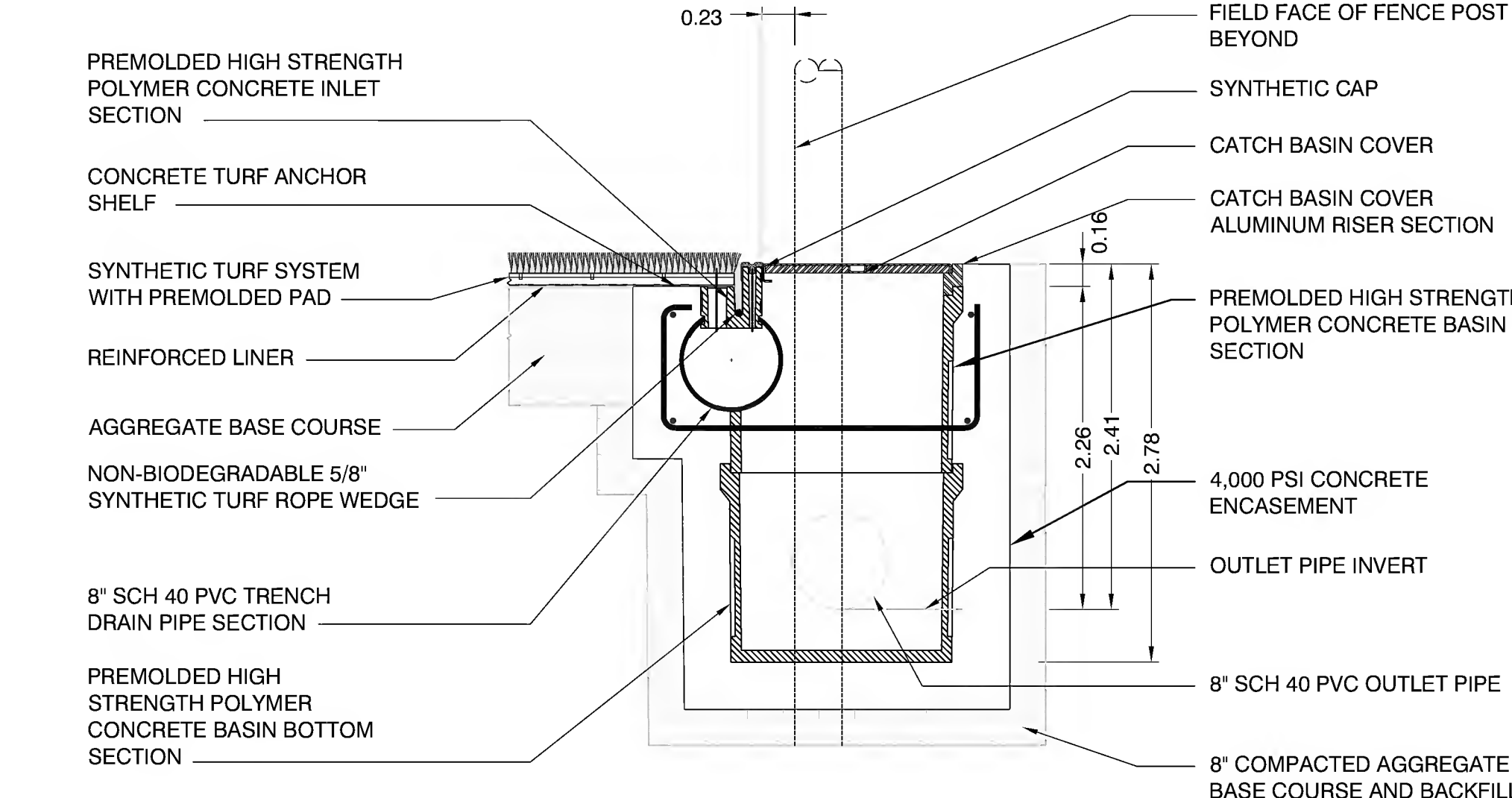
2 CHAIN LINK FENCE POST 51" HEIGHT - SYNTHETIC TURF ANCHOR SECTION  
N.T.S.



6 CHAIN LINK GATE POST 51" HEIGHT - SYNTHETIC TURF ANCHOR SECTION  
N.T.S.



5 CHAIN LINK FENCE POST 75" HEIGHT -  
SYNTHETIC TURF ANCHOR SECTION  
N.T.S.



1 POLYMER BASIN - SYNTHETIC TURF ANCHOR SECTION  
N.T.S.

KEYPLAN

REVISIONS NO.	DATE	REMARKS